

**Meeting of the Central Valley Flood Protection Board  
June 20, 2008**

**Draft Staff Report  
Prepared by DWR Floodway Protection Section**

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Item

Consider approval of Permit No. 18213 to install six 36-inch-diameter steel storm water pipes through the levee; construct a reinforced concrete outfall structure, and place rock riprap along approximately 200 linear feet of the right (east) bank levee of the San Joaquin River.

Applicant

City of Lathrop

Location

The project is located in Lathrop, west of I-5 and north of Lathrop Road. A location map and photos (Attachment B) have been included for reference.

Description

The proposed project is to install six 36-inch-diameter steel storm water pipes through the levee; construct a reinforced concrete outfall structure, and place rock riprap along approximately 200 linear feet of the right (east) bank levee of the San Joaquin River.

Agency Comments and Endorsements:

- The U. S. Army Corps of Engineers endorsement has not been received but is anticipated to be received prior to the June 20, 2008 Board meeting.
- The Reclamation District No. 17 endorsement has not been received but is anticipated to be received prior to the June 20, 2008 Board meeting.

CEQA Compliance:

The Board, as a Responsible Agency under CEQA, has reviewed the Environmental Impact Report for the City of Lathrop's Central Lathrop Specific Plan project prepared by the lead agency, the City of Lathrop. The stormwater outfall that is the subject of this permit was included in the project description and in the environmental analysis in that EIR. CEQA findings for the Board are attached to this staff report (Attachment C).

Section 8610.5 Compliance

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The board will make its decision based on evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

This project has no effects on the State Plan of Flood Control.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

None.

Staff Recommendation

Staff recommends that the Board adopt the CEQA findings (Attachment C) and approve the permit.

List of Attachments

- A. Draft Permit
- B. Location Maps and Photos
- C. CEQA Findings

**DRAFT**

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
**CENTRAL VALLEY FLOOD PROTECTION BOARD**

**PERMIT NO. 18213 BD**

**This Permit is issued to:**

City of Lathrop  
390 Towne Centre Drive  
Lathrop, California 95330

To install six 36-inch-diameter steel storm water pipes through the levee; construct a reinforced concrete outfall structure, and place rock riprap along approximately 200 linear feet of the right (east) bank levee of the San Joaquin River. The project is located in Lathrop, west of I-5 and north of Lathrop Road (Section 28, T1S, R6E, MDB&M, Reclamation District 17, San Joaquin River, San Joaquin County).

**NOTE:** Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project described above.

(SEAL)

Dated: \_\_\_\_\_

\_\_\_\_\_  
Executive Officer

**GENERAL CONDITIONS:**

**ONE:** This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

**TWO:** Only work described in the subject application is authorized hereby.

**THREE:** This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

**FOUR:** The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and the Central Valley Flood Protection Board.

**FIVE:** Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right

to change any conditions in this permit as may be consistent with current flood control standards and policies of the Central Valley Flood Protection Board.

**SIX:** This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 day's notice.

**SEVEN:** It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

**EIGHT:** This permit does not establish any precedent with respect to any other application received by the Central Valley Flood Protection Board.

**NINE:** The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

**TEN:** The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

**ELEVEN:** The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

**TWELVE:** Should any of the work not conform to the conditions of this permit, the permittee, upon order of the Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

#### **SPECIAL CONDITIONS FOR PERMIT NO. 18213 BD**

**THIRTEEN:** All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

**FOURTEEN:** The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Department of Water Resources, Reclamation District No. 17 or any other agency responsible for maintenance.

**FIFTEEN:** The permittee shall contact the Department of Water Resources by telephone, (916) 574-1213, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

**SIXTEEN:** The permittee shall provide supervision and inspection services acceptable to the Central Valley Flood Protection Board. A professional engineer registered in the State of California shall certify that all work was inspected and performed in accordance with submitted drawings, specifications, and permit conditions.

**SEVENTEEN:** The Central Valley Flood Protection Board, Department of Water Resources, and Reclamation District No. 17 shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation, maintenance, inspection, or emergency repair.

EIGHTEEN: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

NINETEEN: The permittee should contact the U.S. Army Corps of Engineers, Sacramento District, Regulatory Branch, 1325 J Street, Sacramento, California 95814, telephone (916) 557-5250, as compliance with Section 10 of the Rivers and Harbors Act and/or Section 404 of the Clean Water Act may be required.

TWENTY: The permittee shall be responsible for repair of any damages to the project levee and other flood control facilities due to construction, operation, or maintenance of the proposed project.

TWENTY-ONE: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend and hold harmless the State of California, or any departments thereof, from any liability or claims of liability associated therewith.

TWENTY-TWO: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

TWENTY-THREE: No construction work of any kind shall be done during the flood season from November 1 to July 15 without prior approval of the Central Valley Flood Protection Board.

TWENTY-FOUR: Cleared trees and brush shall be completely burned or removed from the floodway, and downed trees or brush shall not remain in the floodway during the flood season from November 1 to July 15.

TWENTY-FIVE: The pipes shall be placed in the center of an open trench with a minimum of thirty (30) inches spacing between each pipe and each trench wall.

TWENTY-SIX: Pipes installed in the levee section and within 10 feet of the levee toes shall be new steel and at least 3 gauge. Steel pipe shall be corrosion-proofed externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortar; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Steel pipe shall be corrosion-proofed internally with a continuous lining of cement mortar or asphalt.

TWENTY-SEVEN: Pipes shall be inspected prior to installation to ensure no cracked, broken, or defective materials are used.

TWENTY-EIGHT: The pipelines shall be tested and confirmed free of leaks by X-ray, pressure tests, or other approved methods during construction or anytime after construction upon request by the Central Valley Flood Protection Board.

TWENTY-NINE: The invert of the pipes through the levee section shall be above the design flood plane elevation of 21.0 feet, NGV Datum.

THIRTY: The pipes shall be buried at least 12 inches below the levee slopes and 24 inches below the levee crown.

THIRTY-ONE: Backfill material for excavations within the levee section and within 10 feet of the levee toes shall be placed in 4- to 6-inch layers, moisture conditioned above optimum moisture content, and compacted to a minimum of 90 percent relative compaction as measured by ASTM Method D1557-91.

THIRTY-TWO: Density tests by a certified materials laboratory will be required to verify compaction of backfill within the levee section and within 10 feet of the levee toes.

THIRTY-THREE: Revetment shall be uniformly placed and properly transitioned into the bank, levee slope, or adjacent revetment and in a manner which avoids segregation.

THIRTY-FOUR: Revetment shall be quarry stone and shall meet the following grading:

Quarry Stone

Stone Size	Percent Passing
15 inches;	100
8 inches;	80-95
6 inches;	45-80
4 inches;	15-45
2 inches;	0-15

THIRTY-FIVE: The revetment shall not contain any reinforcing steel, floatable, or objectionable material. Asphalt or other petroleum-based products may not be used as fill or erosion protection on the levee section or within the floodway.

THIRTY-SIX: In the event existing revetment on the levee slope or channel bank is disturbed or displaced, it shall be restored to its original condition upon completion of the proposed installation.

THIRTY-SEVEN: All debris generated by this project shall be disposed of outside the floodway and off the levee section.

THIRTY-EIGHT: The project site shall be restored to at least the condition that existed prior to commencement of work.

THIRTY-NINE: The fencing and railings on the outfall structure shall be removed during high water events.

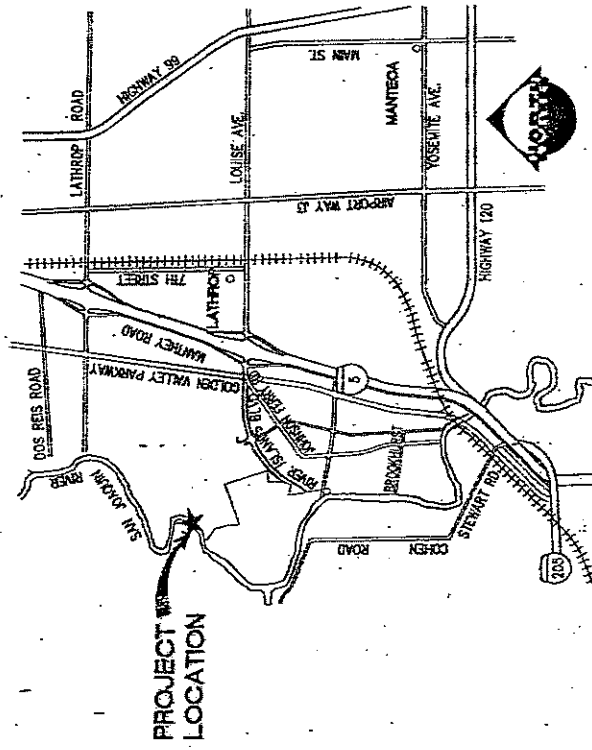
FORTY: The permittee shall be responsible for all damages due to settlement, consolidation, or heave from any construction-induced activities.

FORTY-ONE: Debris that may accumulate on the permitted encroachment(s) and related facilities shall be cleared off and disposed of outside the floodway after each period of high water.

FORTY-TWO: In the event that levee or bank erosion injurious to the adopted plan of flood control occurs at or adjacent to the permitted encroachment(s), the permittee shall repair the eroded area and propose measures, to be approved by the Central Valley Flood Protection Board, to prevent further erosion.

FORTY-THREE: The permittee shall comply with all conditions set forth in the letter from the Department of the Army dated June XX, 2008, which is attached to this permit as Exhibit A and is incorporated by reference.

FORTY-FOUR: The permittee shall comply with all conditions set forth in the letter from Reclamation District No. 17 dated June XX, 2008, which is attached to this permit as Exhibit B and is incorporated by reference.



VICINITY MAP  
N.T.S.

EXISTING  
STONEBRIDGE OUTFALL

CENTRAL LATHROP

LATHROP ROAD

PROPOSED  
CENTRAL LATHROP  
OUTFALL

Interstate - 5

San Joaquin River

EXISTING  
EAST LATHROP  
OUTFALL

EXISTING  
MOSSDALE OUTFALL

LOUISE AVENUE

EXISTING  
CROSSROADS OUTFALL



PROPOSED CENTRAL LATHROP OUTFALL  
CITY OF LATHROP

WEST BANK OF RIVER

NORTHERN LIMIT OF RIPRAP

CENTERLINE OF OUTFALL

SOUTHERN LIMIT OF RIPRAP

PHOTO DATE: MARCH 30, 2007

